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## NOTICE OF ALLOWANCE AND FEE(S) DUE

21975

7590

02/26/2009

EXAMINER

AUTOLIV ASP INC 3350 AIRPORT ROAD OGDEN, UT 84405 CAVALLARI, DANIEL J

PAPER NUMBER

ART UNIT

DATE MAILED: 02/26/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/621,147	07/16/2003	Robert Ian Gresham	18065	1214

TITLE OF INVENTION: RADIOFREQUENCY DOUBLE POLE SINGLE THROW SWITCH

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	05/26/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

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B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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## Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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							(Depositor's name)
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APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/621,147 TITLE OF INVENTION	07/16/2003 : RADIOFREQUENCY	DOUBLE POLE SINGL	Robert Ian Gresham E THROW SWITCH			18065	1214
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EXAM	INER	ART UNIT	CLASS-SUBCLASS				
CAVALLAR	I, DANIEL J	2836	307-115000				
"Fee Address" ind PTO/SB/47; Rev 03-0 Number is required.  3. ASSIGNEE NAME A PLEASE NOTE: Unl	ondence address (or Cha 3/122) attached. ication (or "Fee Address )2 or more recent) attach ND RESIDENCE DATA less an assignee is ident h in 37 CFR 3.11. Com	nge of Correspondence  "Indication form led. Use of a Customer  A TO BE PRINTED ON Tiffied below, no assignee	2. For printing on the part (1) the names of up to or agents OR, alternative (2) the name of a single registered attorney or a 2 registered patent attorn listed, no name will be part (1) THE PATENT (print or type data will appear on the part a substitute for filing an a (B) RESIDENCE: (CITY)	3 registered patent ely, firm (having as a gent) and the name neys or agents. If norinted. e) tent. If an assigne ssignment.	memb s of u o nam	er a 2p to se is 3dentified below, the do	cument has been filed for
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**	s SMALL ENTITY statu	ıs. See 37 CFR 1.27.	☐ b. Applicant is no long				
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AUTOLIV ASP	INC	CAVALLARI, DANIEL J			
3350 AIRPORT R			ART UNIT	PAPER NUMBER	
OGDEN, UT 8440	05		2836		
			DATE MAILED: 02/26/200	9	

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 454 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 454 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	10/621,147	GRESHAM, ROBERT IAN	
Notice of Allowability	Examiner	Art Unit	
	DANIEL CAVALLARI	2836	
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	ears on the cover sheet with (OR REMAINS) CLOSED in to or other appropriate communication is su	the correspondence address his application. If not included ication will be mailed in due course. THIS	
1. This communication is responsive to <u>12/11/2008</u> .			
2. The allowed claim(s) is/are <u>1-5,7-9,12 and 13</u> .			
3.	e been received. e been received in Application cuments have been received of this communication to file and MENT of this application.  hitted. Note the attached EXAMES reason(s) why the oath or communication.	No in this national stage application from the reply complying with the requirements	•
5. CORRECTED DRAWINGS (as "replacement sheets") mus			
(a) ☐ including changes required by the Notice of Draftspers		( PTO-948) attached	
1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner' Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the deposit of t	s Amendment / Comment or i  .84(c)) should be written on the the header according to 37 CFR sit of BIOLOGICAL MATE	drawings in the front (not the back) of 1.121(d). RIAL must be submitted. Note the	
Attachment(s)  1. ☑ Notice of References Cited (PTO-892)  2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date  4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Sur Paper No./M 7. ☑ Examiner's A	rmal Patent Application nmary (PTO-413), lail Date mendment/Comment tatement of Reasons for Allowance	

The Examiner acknowledges the amendments submitted X. The amendment to claim 1 is accepted.

**EXAMINER'S AMENDMENT** 

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

This application is in condition for allowance except for the presence of claim 10 directed to Group II, non-elected without traverse on 2/21/2006. **Accordingly, claim 10 has been cancelled.** 

Allowable Subject Matter

Claims 1-5, 7, 8, 9, 12, and 13 are allowed.

Claim 9 is allowed as previously indicated in the Non-Final Office Action of 9/12/2008.

The following is an examiner's statement of reasons for allowance:

In regard to independent claim 1

The closest prior art taught by Filoramo et al. (US 6,433,647) teaches a switch circuit comprising a first and second switch portion that comprises a transmit and isolation channel with a plurality of connected transistors comprising the first and second portions (see figure 3). However, Filorama et al. fail to teach the particular transistor structure as claimed in claim 1, particularly, wherein the collectors of the first transistors of the first circuit portion are directly coupled, the collectors of the first transistors of the second portion are directly coupled, and each third transistor of the first circuit portion is coupled at its base directly to a base of a corresponding third transistor of the second circuit portion, and to a control voltage source.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- US 6,940,352
- US 6,642,878
- US 6,163,215
- US 7,123,074
- US 5,448,772

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Art Unit: 2836

• US 2002/0113640

- US 6,680,625
- US 6,114,921
- US 6,573,760
- US 4,982,119
- US 7,386,290
- US 6,137,852
- US 5,901,350
- US 2005/0007196

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel Cavallari whose telephone number is 571-272-8541. The examiner can normally be reached on Monday-Friday 9:00am-5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Sherry can be reached on (571)272-2800 x36. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Art Unit: 2836

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Daniel Cavallari/

February 12, 2009

/Albert W Paladini/

Primary Examiner, Art Unit 2836

2/13/09